

U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE (US/RO)			
REQUEST FOR CORRECTED FILING RECEIPT AND CORRECTED NOTICE OF ACCEPTANCE OF APPLICATION UNDER 35 U.S.C 371 AND 37 CFR 1.495		Docket Number: 13533/48103	
		Int'l. App. No. : PCT/US04/42953	
Application Number 10/584,303	Filing Date 5 April 2007	Examiner Unknown	Art Unit Unknown
Invention Title CREATION OF A BIOLOGICAL ATRIOVENTRICULAR BYPASS TO COMPENSATE FOR ATRIOVENTRICULAR BLOCK		Inventor(s) Peter R. BRINK et al.	

Mail Stop PCT
Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

SIR:

Applicants respectfully request that the International Filing Date of the above-identified National Phase Application be corrected from "07/14/2005" to --12-22-2004--. A copy of the filing receipt and of the notice of acceptance are enclosed.

As evidence of the International Filing Date, we enclose a copy of the first page of the PCT published application, PCT/US2004/042953.

Applicants also request that, in the list of Applicants, "JR." be changed to --Jr--, and, in the Assignment information, "Trustee" be changed to --Trustees-- and "Stoney Brook" to ---Stony Brook--.

Please issue a corrected Filing Receipt and a corrected Notice of Acceptance of Application under 35 U.S.C. § 371 and 37 CFR 1.496 as indicated above.

Applicants believe that no fees are due. However, if any fees are due, the Director is authorized to charge the deposit account of Kenyon & Kenyon LLP, deposit account number 11-0600.

Respectfully Submitted,

Dated: July 28, 2008

Lawrence H. Frank
Lawrence H. Frank
Reg. No. 51,7000
KENYON & KENYON LLP
One Broadway, New York, NY 10004
(212) 425-7200 (telephone)
(212) 425-5288 (facsimile)
CUSTOMER NUMBER 26646

**U.S. DEPARTMENT OF COMMERCE
PATENT AND TRADEMARK OFFICE (US/RO)**

REQUEST FOR CORRECTED FILING RECEIPT AND CORRECTED NOTICE OF ACCEPTANCE OF APPLICATION UNDER 35 U.S.C 371 AND 37 CFR 1.495		Docket Number: 13533/48103	
		Int'l. App. No. : PCT/US04/42953	
Application Number 10/584,303	Filing Date 5 April 2007	Examiner Unknown	Art Unit Unknown
Invention Title CREATION OF A BIOLOGICAL ATRIOVENTRICULAR BYPASS TO COMPENSATE FOR ATRIOVENTRICULAR BLOCK		Inventor(s) Peter R. BRINK et al.	

Mail Stop PCT
 Commissioner for Patents
 P.O. Box 1450
 Alexandria, VA 22313-1450

SIR:

Applicants respectfully request that the International Filing Date of the above-identified National Phase Application be corrected from “**07/14/2005**” to --**12-22-2004**--. A copy of the filing receipt and of the notice of acceptance are enclosed.

As evidence of the International Filing Date, we enclose a copy of the first page of the PCT published application, PCT/US2004/042953.

Applicants also request that, in the list of Applicants, “JR.” be changed to --Jr.--, and, in the Assignment information, “Trustee” be changed to --Trustees-- and “Stoney Brook” to ---Stony Brook--.

Please issue a corrected Filing Receipt and a corrected Notice of Acceptance of Application under 35 U.S.C. § 371 and 37 CFR 1.496 as indicated above.

Applicants believe that no fees are due. However, if any fees are due, the Director is authorized to charge the deposit account of Kenyon & Kenyon LLP, deposit account number 11-0600.

Respectfully Submitted,

Lawrence H. Frank

Lawrence H. Frank
 Reg. No. 51,7000
 KENYON & KENYON LLP
 One Broadway, New York, NY 10004
 (212) 425-7200 (telephone)
 (212) 425-5288 (facsimile)
 CUSTOMER NUMBER 26646



UNITED STATES PATENT AND TRADEMARK OFFICE

UNITED STATES DEPARTMENT OF COMMERCE
United States Patent and Trademark Office
Address: COMMISSIONER FOR PATENTS
P.O. Box 1450
Alexandria, Virginia 22313-1450
www.uspto.gov

APPLICATION NUMBER	FILING or 371(c) DATE	GRP ART UNIT	FIL FEE REC'D	ATTY.DOCKET.NO	TOT CLAIMS	IND CLAIMS
10/584,303	04/05/2007	3762	800	13533/48103	34	3

CONFIRMATION NO. 9822

26646
KENYON & KENYON LLP
ONE BROADWAY
NEW YORK, NY 10004

FILING RECEIPT



OC000000030626359

Date Mailed: 06/27/2008

Receipt is acknowledged of this non-provisional patent application. The application will be taken up for examination in due course. Applicant will be notified as to the results of the examination. Any correspondence concerning the application must include the following identification information: the U.S. APPLICATION NUMBER, FILING DATE, NAME OF APPLICANT, and TITLE OF INVENTION. Fees transmitted by check or draft are subject to collection. Please verify the accuracy of the data presented on this receipt. If an error is noted on this Filing Receipt, please submit a written request for a Filing Receipt Correction. Please provide a copy of this Filing Receipt with the changes noted thereon. If you received a "Notice to File Missing Parts" for this application, please submit any corrections to this Filing Receipt with your reply to the Notice. When the USPTO processes the reply to the Notice, the USPTO will generate another Filing Receipt incorporating the requested corrections

Applicant(s)

Peter R. Brink, Setauket, NY;
Ira S. Cohen, Stony Brook, NY;
Michael R. Rosen, New York, NY;
Richard B. Robinson, Cresskill, NJ;
Peter Danilo JR., Hopewell, NJ;

Assignment For Published Patent Application *Trustees*

The Trustees of Columbia University In the City of New York, New York, NY
The Research Foundation of State University of New York, Stony Brook, NY

Power of Attorney: The patent practitioners associated with Customer Number 26646

Domestic Priority data as claimed by applicant

This application is a 371 of PCT/US2004/042953 07/14/2005
which claims benefit of 60/532,363 12/24/2003

Foreign Applications

If Required, Foreign Filing License Granted: 06/23/2008

The country code and number of your priority application, to be used for filing abroad under the Paris Convention, is **US 10/584,303**

Projected Publication Date: 10/09/2008

Non-Publication Request: No

Early Publication Request: No



UNITED STATES PATENT AND TRADEMARK OFFICE

UNITED STATES DEPARTMENT OF COMMERCE
United States Patent and Trademark Office
Address: COMMISSIONER FOR PATENTS
P.O. Box 1450
Alexandria, Virginia 22313-1450
www.uspto.gov

U.S. APPLICATION NUMBER NO.	FIRST NAMED APPLICANT	ATTY. DOCKET NO.
10/584,303	Peter R. Brink	13533/48103
26646 KENYON & KENYON LLP ONE BROADWAY NEW YORK, NY 10004	INTERNATIONAL APPLICATION NO. PCT/US2004/042953	
	I.A. FILING DATE	PRIORITY DATE
	07/14/2005	12/24/2003

**CONFIRMATION NO. 9822
371 ACCEPTANCE LETTER**



OC000000030626360

Date Mailed: 06/27/2008

NOTICE OF ACCEPTANCE OF APPLICATION UNDER 35 U.S.C 371 AND 37 CFR 1.495

The applicant is hereby advised that the United States Patent and Trademark Office in its capacity as a Designated / Elected Office (37 CFR 1.495), has determined that the above identified international application has met the requirements of 35 U.S.C. 371, and is ACCEPTED for national patentability examination in the United States Patent and Trademark Office.

The United States Application Number assigned to the application is shown above and the relevant dates are:

04/05/2007

DATE OF RECEIPT OF 35 U.S.C. 371(c)(1),
(c)(2) and (c)(4) REQUIREMENTS

04/05/2007

DATE OF COMPLETION OF ALL
35 U.S.C. 371 REQUIREMENTS

A Filing Receipt (PTO-103X) will be issued for the present application in due course. **THE DATE APPEARING ON THE FILING RECEIPT AS THE " FILING DATE" IS THE DATE ON WHICH THE LAST OF THE 35 U.S.C. 371 (c)(1), (c)(2) and (c)(4) REQUIREMENTS HAS BEEN RECEIVED IN THE OFFICE. THIS DATE IS SHOWN ABOVE.** The filing date of the above identified application is the international filing date of the international application (Article 11(3) and 35 U.S.C. 363). Once the Filing Receipt has been received, send all correspondence to the Group Art Unit designated thereon.

The following items have been received:

- Copy of the International Application filed on 06/23/2006
- Copy of the International Search Report filed on 06/23/2006
- Preliminary Amendments filed on 06/23/2006
- Information Disclosure Statements filed on 06/23/2006
- Oath or Declaration filed on 04/05/2007
- Request for Immediate Examination filed on 06/23/2006
- U.S. Basic National Fees filed on 06/23/2006
- Priority Documents filed on 06/23/2006
- Power of Attorney filed on 04/05/2007
- Specification filed on 06/23/2006
- Claims filed on 06/23/2006
- Drawings filed on 06/23/2006

(12) INTERNATIONAL APPLICATION PUBLISHED UNDER THE PATENT COOPERATION TREATY (PCT)

(19) World Intellectual Property Organization International Bureau



(43) International Publication Date
14 July 2005 (14.07.2005)

PCT

(10) International Publication Number
WO 2005/062857 A2

(51) International Patent Classification: Not classified 07626 (US). DANILO, Peter, Jr. [US/US]; 81 Stonybrook Road, Hopewell, NJ 08525 (US).

(21) International Application Number: PCT/US2004/042953 (74) Agent: WHITE, John, P.; Cooper & Dunahm LLP, 1185 Avenue of the Americas, New York, NY 10036 (US).

(22) International Filing Date:
22 December 2004 (22.12.2004)

(81) Designated States (unless otherwise indicated, for every kind of national protection available): AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW.

(25) Filing Language: English

(26) Publication Language: English

(30) Priority Data:
60/532,363 24 December 2003 (24.12.2003) US

(84) Designated States (unless otherwise indicated, for every kind of regional protection available): ARIPO (BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW), Eurasian (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IS, IT, LT, LU, MC, NL, PL, PT, RO, SE, SI, SK, TR), OAPI (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG).

(71) Applicants (for all designated States except US): THE TRUSTEES OF COLUMBIA UNIVERSITY IN THE CITY OF NEW YORK [US/US]; West 116th Street and Broadway, New York, NY 10027 (US). THE RESEARCH FOUNDATION OF STATE UNIVERSITY OF NEW YORK [US/US]; Office of Technology Licensing and Industry, Relations N5002 Melville Library, Stony Brook, NY 11794-3369 (US).

(72) Inventors; and

(75) Inventors/Applicants (for US only): BRINK, Peter, R. [US/US]; 101 Dyke Road, Setauket, NY 11733 (US). COHEN, Ira, S. [US/US]; 23 Hawks Nest Road, Stony Brook, NY 11790 (US). ROSEN, Michael, R. [US/US]; 25 East 86th Street, New York, NY 10028 (US). ROBINSON, Richard, B. [US/US]; 67 Roosevelt Street, Cresskill, NJ

Published:

— without international search report and to be republished upon receipt of that report

For two-letter codes and other abbreviations, refer to the "Guidance Notes on Codes and Abbreviations" appearing at the beginning of each regular issue of the PCT Gazette.

WO 2005/062857 A2

(54) Title: CREATION OF A BIOLOGICAL ATRIOVENTRICULAR BYPASS TO COMPENSATE FOR ATRIOVENTRICULAR BLOCK

(57) Abstract: A method of creating an atrioventricular bypass tract for a heart comprises growing mesenchymal stem cells into a strip with two ends, attaching one end of the strip onto the atrium of the heart, and attaching the other end of the strip to the ventricle of the heart, to create a tract connecting the atrium to the ventricle to provide a path for electrical signals generated by the sinus node to propagate across the tract and excite the ventricle.